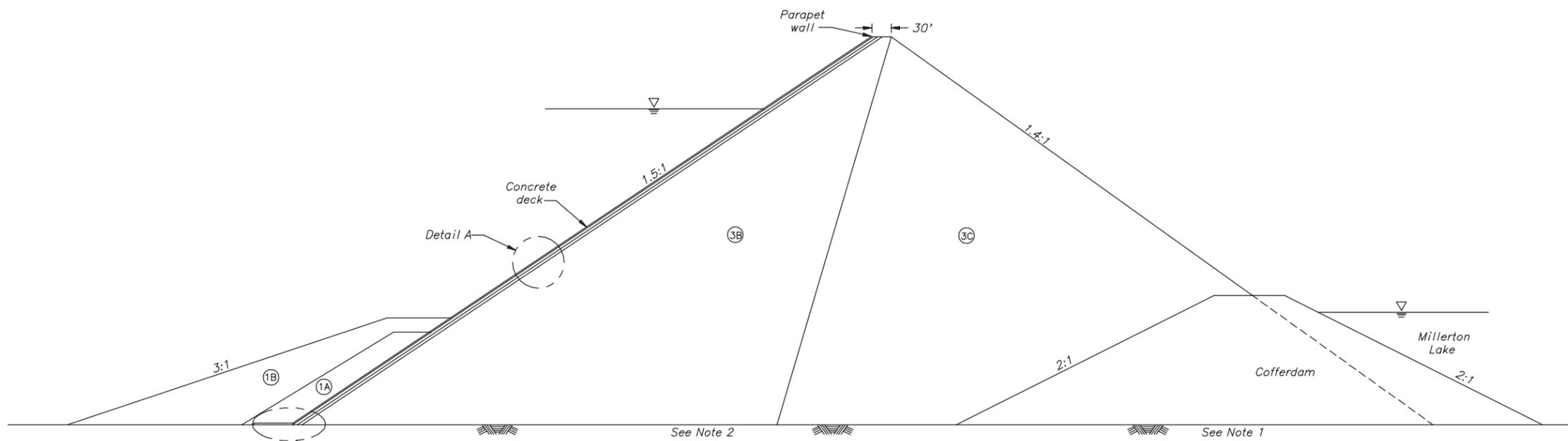


**Attachment B1**  
Cross Section Profiles

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# **Temperance Flat and Fine Gold Dam Options**



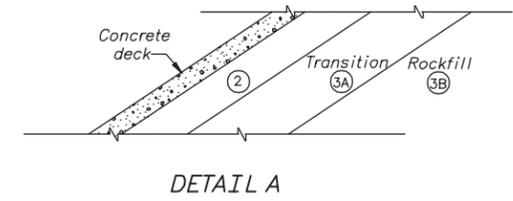
PROFILE

EMBANKMENT EXPLANATION

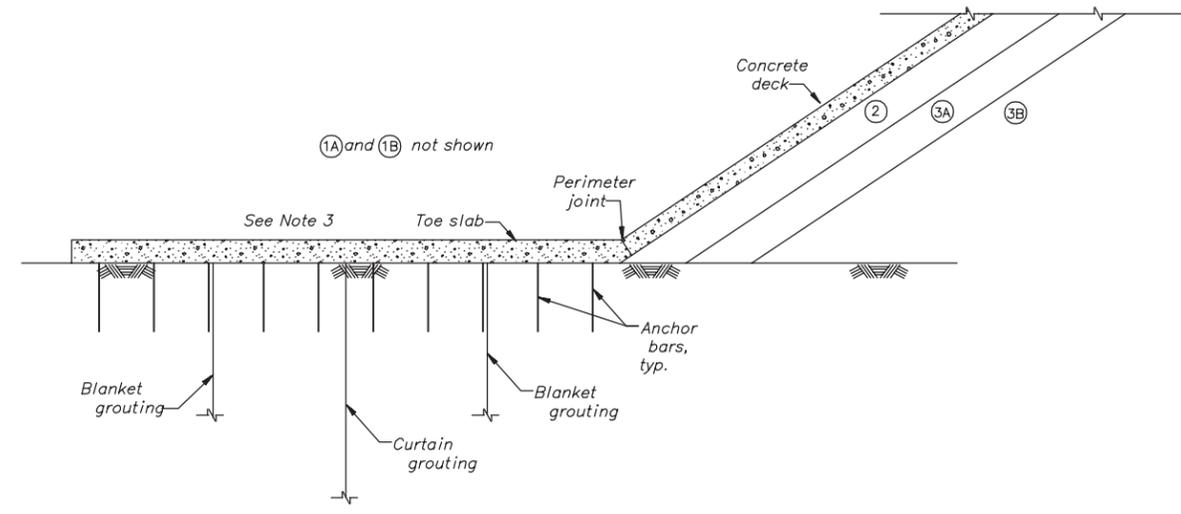
- ①A Clay, silt, sand, and gravel with a maximum particle size of 3-inches (> 12% fines) from borrow compacted to 6-inch layers
- ①B Gravel and cobbles with a maximum particle size of 12-inches from required excavation and borrow compacted to 18-inch layers.
- ② Silty gravel with sand processed from borrow compacted to 18-inch layers.
- ③A Gravel processed from borrow compacted to 18-inch layers.
- ③B Rock fill with a maximum particle size of 18-inch compacted to 36 inch layers.
- ③C Rock fill with a maximum particle size of 36-inches compacted to 48-inch layers.

NOTES

1. Cofferdam foundation conditions assumed to be coarse gravel, cobbles and boulders.
2. Foundation for shells assumed to be competent rock cleaned by standard construction equipment.
3. Foundation for toe slab assumed to be competent rock cleaned by hand and surface treated.



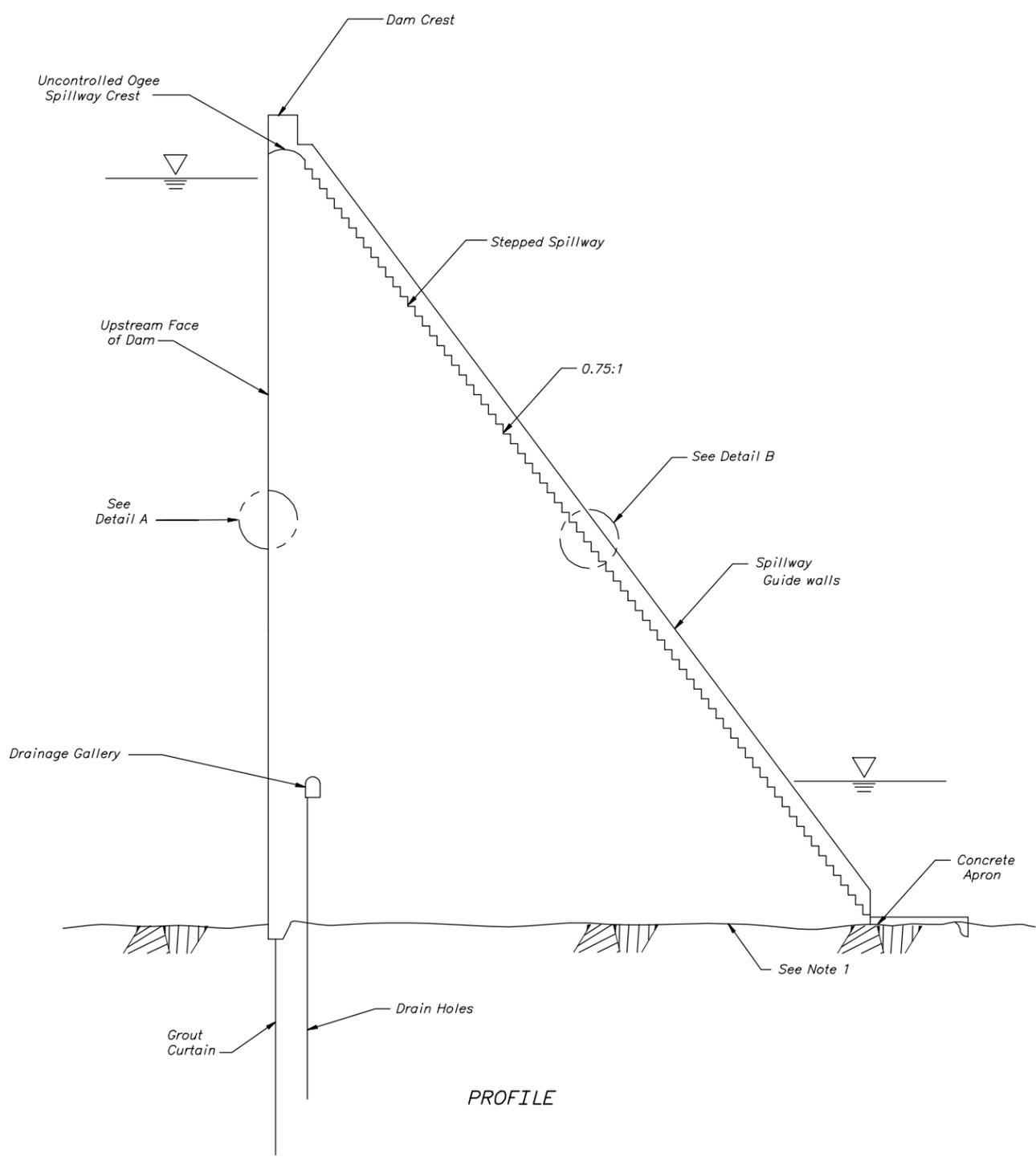
DETAIL A



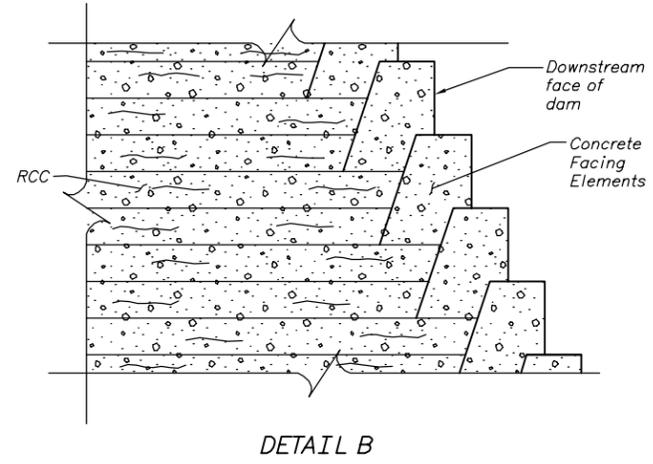
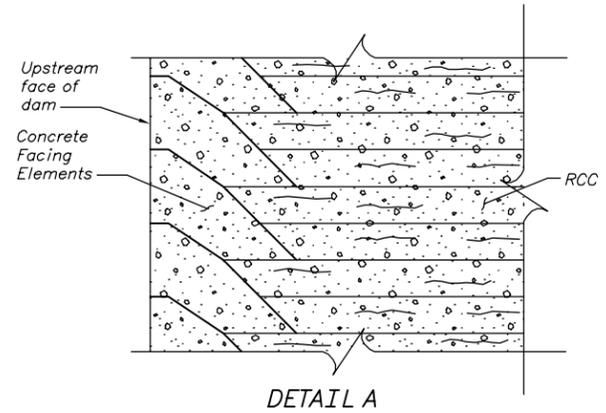
DETAIL B

ALWAYS THINK SAFETY	
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF RECLAMATION UPPER SAN JOAQUIN PROJECT CALIFORNIA	
<b>UPPER SAN JOAQUIN STORAGE INVESTIGATION</b>	
<b>CONCRETE FACED ROCKFILL DAM SECTION PROFILE</b>	
CADD SYSTEM AutoCAD Rev. 15.06 DENVER, COLORADO	CADD FILENAME FIGURE2.DWG AUGUST 13, 2002 SHEET 2 OF 2

DATE AND TIME PLOTTED  
 SEPTEMBER 30, 2002 11:02  
 PLOTTED BY  
 JMW/TFE



PROFILE



NOTES

1. Foundation for RCC gravity dam to be excavated to competent rock.

FILE PATH: H:\CASSO Share\Drawing Files\Upper San Joaquin\ PLOTTED BY: EPIEMBER 30, 2002 10:58

 <b>ALWAYS THINK SAFETY</b>	
<small>UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF RECLAMATION UPPER SAN JOAQUIN PROJECT CALIFORNIA</small>	
<b>UPPER SAN JOAQUIN STORAGE INVESTIGATION</b>	
<b>ROLLER COMPACTED CONCRETE DAM SECTION PROFILE</b>	
<small>CADD SYSTEM Autocad Rev. 15.06 DENVER, COLORADO</small>	<small>CADD FILENAME FTOURSET.DWG AUGUST 13, 2002</small>

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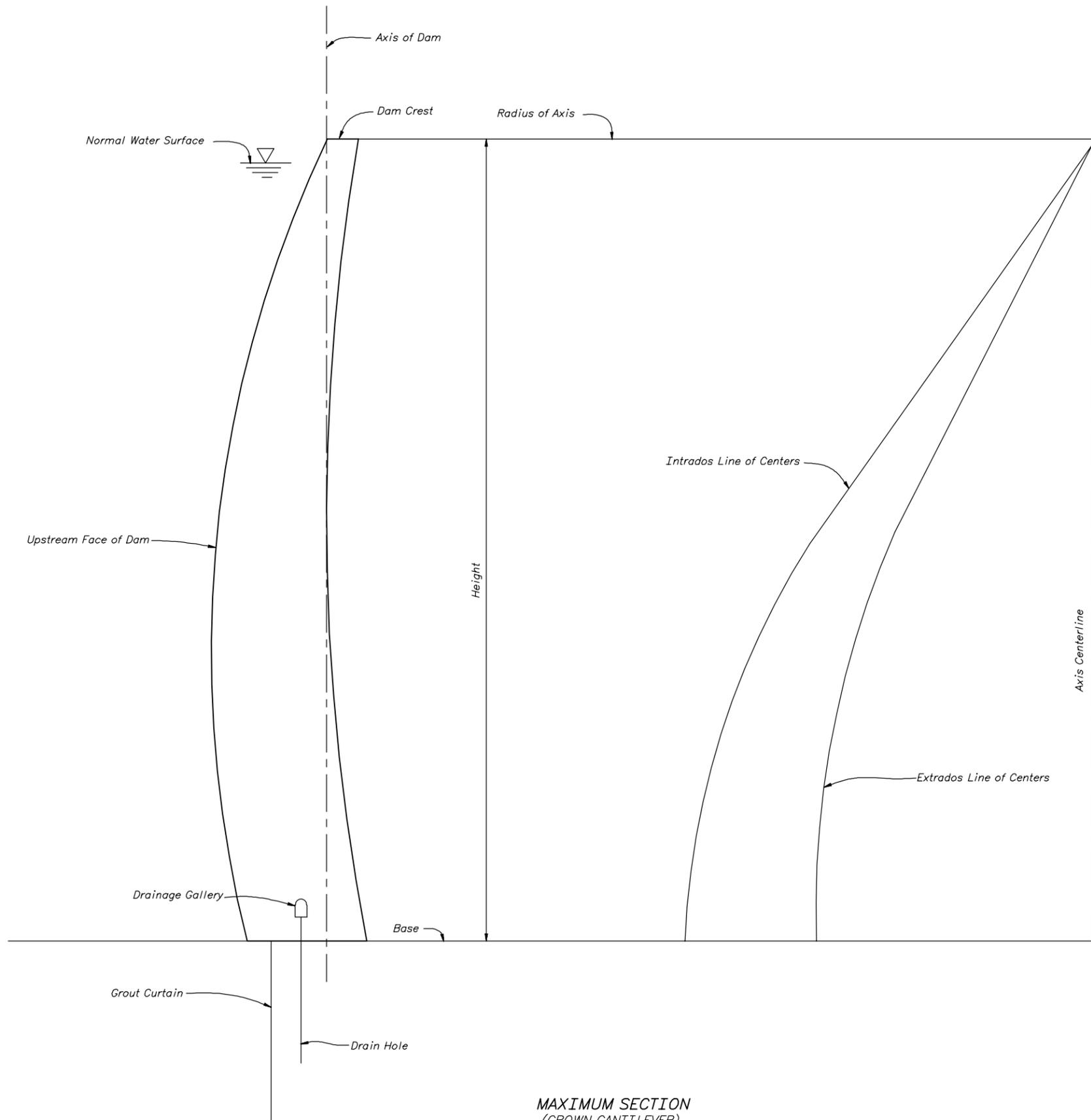
A

D

C

B

A



**NOTE**  
 1. Foundation for Arch dam to be excavated to competent rock.

 <b>ALWAYS THINK SAFETY</b>	
<small>UNITED STATES          DEPARTMENT OF THE INTERIOR          BUREAU OF RECLAMATION</small>	
<small>UPPER SAN JOAQUIN PROJECT CALIFORNIA          UPPER SAN JOAQUIN STORAGE INVESTIGATION</small>	
<b>CONCRETE ARCH DAM</b> SECTION PROFILE	
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DATE AND TIME PLOTTED  
 SEPTEMBER 10, 2003  
 PLOTTED BY  
 D.A. MARTINEZ

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**MAXIMUM SECTION**  
 (CROWN CANTILEVER)